

FORM PTO-1390 (REV. 01-2003)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER <b>1256-01012</b>	
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>				U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/509065</b>	
INTERNATIONAL APPLICATION NO. <b>PCT/US03/07443</b>		INTERNATIONAL FILING DATE <b>12 March 2003</b>		PRIORITY DATE CLAIMED <b>25 March 2002</b>	
TITLE OF INVENTION <b>Use of Carbon-2-Modified-19-Nor-Vitamin D Analogs to Induce the Formation of New Bone</b>					
APPLICANT(S) FOR DO/EO/US <b>Hector F. DELUCA; J. Wesley PIKE; Nirupama K. SHEVDE</b>					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input checked="" type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p style="margin-top: 10px;">Items 11 to 20 below concern document(s) or information included:</p> <ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information:           <ol style="list-style-type: none"> <li>A. Supplement to Transmittal Letter</li> <li>B. International Preliminary Examination Report</li> </ol> </li> </ol>					

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/509065</b>		INTERNATIONAL APPLICATION NO. <b>PCT/US03/07443</b>		ATTORNEY'S DOCKET NUMBER <b>1256-01012</b>	
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<b>21. <input checked="" type="checkbox"/> The following fees are submitted:</b> <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO. .... <b>\$1080.00</b>  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... <b>\$920.00</b>  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$770.00</b>  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... <b>\$730.00</b>  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... <b>\$100.00</b> <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				<b>CALCULATIONS PTO USE ONLY</b>          <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">\$</td> <td style="width: 50%; border: none; text-align: right;">920.00</td> </tr> </table>		\$	920.00
\$	920.00						
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$ 0.00			
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE				
Total claims	28 - 20 =	8	x \$18.00	\$ 144.00			
Independent claims	1 - 3 =	0	x \$86.00	\$ 0.00			
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$290.00			
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 1,064.00			
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$ 0.00			
<b>SUBTOTAL =</b>				\$ 1,064.00			
Processing fee of <b>\$130.00</b> for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$ 0.00			
<b>TOTAL NATIONAL FEE =</b>				\$ 1,064.00			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$ 0.00			
<b>TOTAL FEES ENCLOSED =</b>				\$ 1,064.00			
				Amount to be refunded:	\$		
				charged:	\$		

a. ☒ A check in the amount of \$ 1,064.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any  
overpayment to Deposit Account No. 01.2000. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card  
information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a)  
or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:  
Andrus, Scales, Starke & Sawall, LLP, 100 East Wisconsin Avenue, Suite 1100,  
Milwaukee, WI 53202-4178, (414) 271-7590, Facsimile: (414) 271-5770

CERTIFICATE OF EXPRESS MAIL:  
I hereby certify that this correspondence is being deposited with the United States Postal  
Service with sufficient postage as EXPRESS MAIL-POST OFFICE TO ADDRESSEE, in an  
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Alexandria, VA 22313-1450 on 09/24/2004. The Express Mail Label is EV477159545US.

Dorothy A. Hauser  
Dorothy A. Hauser

Date

Joseph D. Kuborn  
SIGNATURE

09/24/2004  
DATE

40,689  
REGISTRATION NUMBER

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Hector F. DeLuca

J. Wesley Pike

Nirupama K. Shevde

Filed Herein

International Appl. No.

PCT/US03/07443

International Filing Date:

March 12, 2003

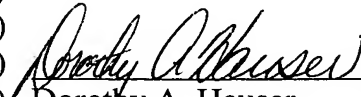
Priority Date Claimed:

March 25, 2002

USE OF CARBON-2-MODIFIED-19-  
NOR-VITAMIN D ANALOGS TO  
INDUCE THE FORMATION OF NEW  
BONE

) CERTIFICATE OF EXPRESS MAILING  
) I hereby certify that this correspondence is  
) being deposited with the United States  
) Postal Service with sufficient postage as  
) EXPRESS MAIL in an envelope addressed  
) to: Commissioner for Patents, Alexandria,  
) VA 22313-1450 on this 24th day of  
) September, 2003. The Express Mail Label  
) is EV477159545US.

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)  September 24, 2004  
) Dorothy A. Hauser Date

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)  
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SUPPLEMENT TO TRANSMITTAL LETTER

Mail Stop: PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

This application is being filed to enter the national stage of the PCT pursuant to 37 C.F.R. §1.495(c). The application includes the specification, at least one claim, and the filing fee. The Declaration is not included. The three inventors are as follows:

Hector F. DeLuca  
1809 Highway BB  
Deerfield, WI 53531  
Citizenship: United States

J. Wesley Pike  
9109 Settler's Road  
Madison, WI 53717  
Citizenship: United States

Applicant: Hector F. DeLuca et al  
Attorney Docket No.: 1256-01012

Nirupama K. Shevde  
9109 Settler's Road  
Madison, WI 53717  
Citizenship: United States

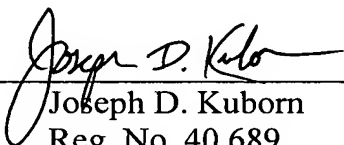
The Declaration will be forwarded promptly upon notification from the U.S.  
Patent and Trademark Office.

Please address all correspondence and telephone calls regarding this matter to:

Thomas M. Wozny  
ANDRUS, SCEALES, STARKE & SAWALL, LLP  
100 East Wisconsin Avenue, Suite 1100  
Milwaukee, Wisconsin 53202  
(414) 271-7590

Respectfully submitted,

ANDRUS, SCEALES, STARKE & SAWALL, LLP

By   
Joseph D. Kuborn  
Reg. No. 40,689

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